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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

BOERJAN et al

Atty. Ref.: 4465-7

Serial No. Unassigned

TC/A.U.: Unassigned

Filed: April 15, 2005

Examiner: Unassigned

For: A ROLE IN LIGNIFICATION AND GROWTH FOR PLANT  
PHENYLCOUMARAN BENZYLYC ETHER REDUCTASE

\* \* \* \* \*

April 15, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449. A copy of the International Search Report and cited references are attached.

This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:



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**INFORMATION DISCLOSURE  
CITATION**

**ATTY. DOCKET NO.**

4465-7

**APPLICANT**

BOERJAN et al

(Use several sheets if necessary)

**FILING DATE**

ITEM NO.

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April 15, 2005

## Unassigned

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	International Search Report of PCT/EP03/50731 mailed 26 February 2004
	K. VANDER MIJNSBRUGGE et al., "Phenylcoumaran benzylic ether reductase, a prominent poplar xylem protein, is strongly associated with phenylpropanoid biosynthesis in lignifying cells", <i>Planta</i> , vol. 211, no. 4, September 2000, Pgs. 502-509, XP002233666
	K. VANDER MIJNSBRUGGE et al., "Molecular biology approaches to study xylogenesis in poplar", PhD Thesis, University of Gent, 1998, pgs. 1-123, XP001149502
	W. HU et al., "Repression of Lignin Biosynthesis Promotes Cellulose Accumulation and Growth in Transgenic Trees", <i>Nature Biotechnology</i> , Nature Publishing, vol. 17, August 1999, Pgs. 808-812, XP000827629
	K. VANDER MIJNSBRUGGE et al., "Populus trichocarpa mRNA for phenylcoumaran benzylic ether reductase (pcbera gene)" Database EMBL 'Online!', 1 May 1998, Database accession no. AJ005803, XP002233671
	K. VANDER MIJNSBRUGGE et al., "Phenylcoumaran benzylic ether reductase", Database SWISSPROT 'Online!', 1 August 1998, Database accession no. 065881, XP002233671
	K. VANDER MIJNSBRUGGE et al., "Characterization of a phenylcoumaran benzylic ether reductase gene (Accession No. AJ132262) in Populus trichocarpa", <i>Plant Gene Register PGR99-124</i> . <i>Plant Physiology</i> 121:131, 'Online!1999, XP002233667
	D. GANG et al., "Evolution of Plant Defense Mechanisms", <i>Journal of Biological Chemistry</i> , American Society of Biological Chemists, Vol. 274, No. 11, 12 March 1999, Pgs. 7516-7517, XP002921937
	J. ORR et al., "Biosynthesis of Dehydrodiconiferyl Alcohol Glucosides Implications for the Control of Tobacco Cell Growth", <i>Plant Physiology</i> , Vol. 98, No. 1, 1992, Pgs. 343-352, XP002233668
	A. BINNS et al., "Cell Division Promoting Activity of Naturally Occurring Dehydrodiconiferyl Glucosides Do Cell Wall Components Control Cell Division?", <i>Proceedings of the National Academy of Sciences of the United States</i> , Vol. 84, No. 4, 1987, Pgs. 980-984, XP002233669

\*Examiner

### Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.